

WHAT IS CLAIMED IS:

1. A corrugated fin cutting device, comprising:
 - 5 a position restraining unit that restrains a position of a bottom portion of a corrugated fin material that is being continuously conveyed in a conveying direction;
 - a position determining unit that approaches the bottom portion of the fin
 - 10 material to determine a position and moves in the conveying direction in synchronization with the fin material that is being conveyed; and
 - a cutting unit that moves with said position determining unit in the conveying direction and cuts the bottom portion of the fin material at the
 - 15 position determined by said position determining unit.
2. The corrugated fin cutting device comprising:
 - a pair of worms that engages respectively with both shoulder portions of
 - 20 corrugated fin material and continuously conveys the fin material in a conveying direction;
 - a guide piece that approaches the bottom portion of the fin material that is being engaged with said both worms to determine a position and moves in
 - 25 the conveying direction in synchronization with the fin material that is being conveyed; and
 - cutting blades that moves to the determined bottom portion of the fin material in the conveying direction of the fin material and cut the bottom
 - 30 portion of the fin material that is being guided by said guide piece when said guide piece passes said both worms.

3. A corrugated fin cutting method, comprising:

a position restraining step of restraining by a position restraining unit a position of a bottom portion of a corrugated fin material that is being continuously conveyed in a conveying direction;

a position determining step of determining a position of the bottom portion of the restrained fin material by a guide piece approaching the bottom portion, and then moving the guide piece in synchronizing with the fin material in the conveying direction; and

a cutting step of moving cutting unit with said position determining unit in the conveying direction, and cutting by the cutting unit the bottom portion of the fin material at the position determined by the guide piece.

4. The corrugated fin cutting method according to claim 3,

wherein in said cutting step, the cutting unit cuts the bottom portion of the fin material after the guide piece passes said position restraining unit.